

## DECLARATION FOR PATENT APPLICATION

Case Docket No. 2004B023 RECEIVED  
FEDERAL PATENT CENTER

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

JAN 28 2005

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HEAT RECOVERY TECHNIQUE FOR CATALYST REGENERATOR FLUE GAS

the specification of which is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_ as Application Serial No. or PCT International Application No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate(s), or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application(s) for patent or inventor's certificate(s), or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)Priority Claimed

| (Number) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|----------|-----------|------------------------|------------------------------|-----------------------------|
| _____    | _____     | _____                  | <input type="checkbox"/>     | <input type="checkbox"/>    |
| (Number) | (Country) | (Day/Month/Year Filed) | Yes                          | No                          |

I hereby claim the benefit under 35 U.S.C. § 119(e)(1)-(2) of any United States provisional application(s) listed below.

| (Application Number) | (Filing Date) |
|----------------------|---------------|
| _____                | _____         |
| (Application Number) | (Filing Date) |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(e) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

| (Application Serial No.) | (Filing Date) | (Status - patented, pending, abandoned) |
|--------------------------|---------------|---|
| _____                    | _____         | _____                                   |
| (Application Serial No.) | (Filing Date) | (Status - patented, pending, abandoned) |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

| NAMES               | REGISTRATION NUMBERS | NAMES             | REGISTRATION NUMBERS |
|---------------------|----------------------|-------------------|----------------------|
| Leandro Arechoderra | 52,457               | Kelly A. Nowak    | 35,620               |
| Catherine L. Bell   | 35,444               | Tom F. Pruitt     | 30,317               |
| Keith A. Bell       | 30,023               | Frank B. Reid     | 37,918               |
| C. Milton Fick      | 33,383               | Dennis P. Santini | 26,029               |
| Andrew B. Griffith  | 36,336               | C. Paige Schmidt  | 38,556               |
| Rick F. James       | 48,772               | James Sher        | 34,726               |
| Linda A. Kubera     | 42,772               | Edward F. Sherer  | 29,588               |
| Bradley A. Keller   | 37,654               | Darryl M. Tyus    | 40,853               |
| Mandi B. Milbank    | 50,853               | Maria C. Walsh    | 37,958               |
| Lucinda Lomas       | 51,964               | Phillip G. Woo    | 45,234               |
| Louis N. Moreno     | 44,953               |                   |                      |

Case Docket No. 2004B023

## SEND CORRESPONDENCE TO:

ExxonMobil Chemical Company  
Law Technology  
P.O. Box 2149  
Baytown, Texas 77522-2149

## DIRECT TELEPHONE CALLS TO:

James Sher  
Direct Dial: (281) 834-1298  
Facsimile (281) 834-2495

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

|                         |  |                                   |   |
|-------------------------|--|-----------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>van Eymond                    | FIRST NAME<br>Cor                 | MIDDLE NAME<br>F.                       |
| RESIDENCE & CITIZENSHIP | CITY<br>Pasadena                           | STATE OR FOREIGN COUNTRY<br>Texas | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>6407 Cog Hill Drive | CITY<br>Pasadena                  | STATE OR COUNTRY<br>Texas               |
|                         |  |                                   | ZIP CODE<br>77505                       |

Inventor's signature

*C. F. van Eymond*

Date

*3/24/04*

|                         |   |                                   |   |
|-------------------------|---|-----------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>Beech, Jr.                       | FIRST NAME<br>James               | MIDDLE NAME<br>H.                       |
| RESIDENCE & CITIZENSHIP | CITY<br>Kingwood                              | STATE OR FOREIGN COUNTRY<br>Texas | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>3103 Willow Wood Trail | CITY<br>Kingwood                  | STATE OR COUNTRY<br>Texas               |
|                         |   |                                   | ZIP CODE<br>77345                       |

Inventor's signature

*James H. Beech, Jr.*

Date

*3/24/04*

|                         |   |                                |   |
|-------------------------|---|--------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>Klemm                        | FIRST NAME<br>Hans             | MIDDLE NAME<br>A.                       |
| RESIDENCE & CITIZENSHIP | CITY<br>Melrose                           | STATE OR FOREIGN COUNTRY<br>MA | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>64 Boardman Avenue | CITY<br>Melrose                | STATE OR COUNTRY<br>MA                  |
|                         |   |                                | ZIP CODE<br>02176                       |

Inventor's signature

Date

|                         |  |                                |   |
|-------------------------|--|--------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>Castaloy                    | FIRST NAME<br>Kyle             | MIDDLE NAME                             |
| RESIDENCE & CITIZENSHIP | CITY<br>Marlboro                         | STATE OR FOREIGN COUNTRY<br>MA | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>21 Woodridge Road | CITY<br>Marlboro               | STATE OR COUNTRY<br>MA                  |
|                         |  |                                | ZIP CODE<br>01752                       |

Inventor's signature

Date



MAR-24-2004 09:23

1 834 2856

281 834 2856 P.07

Case Docket No. 200408023

|   |   |
|---|---|
| <b>SEND CORRESPONDENCE TO:</b><br>ExxonMobil Chemical Company<br>Law Technology<br>P.O. Box 2149<br>Baytown, Texas 77522-2149 | <b>DIRECT TELEPHONE CALLS TO:</b><br>Jalene Shar<br>Direct Dial: (281) 834-1298<br>Facsimile (281) 834-2495 |
|---|---|

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

|                         |                     |                          |                        |
|-------------------------|---------------------|--------------------------|------------------------|
| FULL NAME OF INVENTOR   | LAST NAME           | FIRST NAME               | MIDDLE NAME            |
|                         | van Eygen           | Car                      | F.                     |
| RESIDENCE & CITIZENSHIP | CITY                | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
|                         | Pasadena            | Texas                    | United States          |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS | CITY                     | STATE OR COUNTRY       |
|                         | 6407 Cog Hill Drive | Pasadena                 | Texas                  |
|                         |                     |                          | ZIP CODE               |
|                         |                     |                          | 77055                  |

Inventor's signature

Date

|                         |                        |                          |                        |
|-------------------------|------------------------|--------------------------|------------------------|
| FULL NAME OF INVENTOR   | LAST NAME              | FIRST NAME               | MIDDLE NAME            |
|                         | Beech, Jr.             | James                    | H.                     |
| RESIDENCE & CITIZENSHIP | CITY                   | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
|                         | Kingwood               | Texas                    | United States          |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS    | CITY                     | STATE OR COUNTRY       |
|                         | 3103 Willow Wood Trail | Kingwood                 | Texas                  |
|                         |                        |                          | ZIP CODE               |
|                         |                        |                          | 77345                  |

Inventor's signature

Date

|                         |                     |                          |                        |
|-------------------------|---------------------|--------------------------|------------------------|
| FULL NAME OF INVENTOR   | LAST NAME           | FIRST NAME               | MIDDLE NAME            |
|                         | Kleiman             | Hana                     | A.                     |
| RESIDENCE & CITIZENSHIP | CITY                | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
|                         | Melrose             | MA                       | United States GERMANY  |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS | CITY                     | STATE OR COUNTRY       |
|                         | 64 Boardman Avenue  | Melrose                  | MA                     |
|                         |                     |                          | ZIP CODE               |
|                         |                     |                          | 02176                  |

Inventor's signature

Date

|                         |                     |                          |                        |
|-------------------------|---------------------|--------------------------|------------------------|
| FULL NAME OF INVENTOR   | LAST NAME           | FIRST NAME               | MIDDLE NAME            |
|                         | Castaldi            | Kyle                     |                        |
| RESIDENCE & CITIZENSHIP | CITY                | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
|                         | Marlboro            | MA                       | United States          |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS | CITY                     | STATE OR COUNTRY       |
|                         | 21 Woodridge Road   | Marlboro                 | MA                     |
|                         |                     |                          | ZIP CODE               |
|                         |                     |                          | 01752                  |

Inventor's signature

Date

## DECLARATION FOR PATENT APPLICATION

Case Docket No. 2004B073

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, firm and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HEAT RECOVERY TECHNIQUE FOR CATALYST REGENERATOR FLUE GAS**

the specification of which is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_ as Application Serial No. or PCT International Application No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate(s), or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application(s) for patent or inventor's certificate(s), or PCT International application having a filing date before that of the application on which priority is claimed.

## Prior Foreign Application(s)

## Priority Claimed

|                   |                    |                                 |                                 |                                |
|-------------------|--------------------|---------------------------------|---------------------------------|--------------------------------|
| _____<br>(Number) | _____<br>(Country) | _____<br>(Day/Month/Year Filed) | <input type="checkbox"/><br>Yes | <input type="checkbox"/><br>No |
| _____<br>(Number) | _____<br>(Country) | _____<br>(Day/Month/Year Filed) | <input type="checkbox"/><br>Yes | <input type="checkbox"/><br>No |

I hereby claim the benefit under 35 U.S.C. § 119(e)(1)-(2) of any United States provisional application(s) listed below.

|                               |                        |
|-------------------------------|------------------------|
| _____<br>(Application Number) | _____<br>(Filing Date) |
| _____<br>(Application Number) | _____<br>(Filing Date) |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(e) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information which is material to patentability as defined in 37 CFR § 1.56 which becomes available between the filing date of the prior application and the national or PCT International filing date of this application.

|                                   |                        |  |
|-----------------------------------|------------------------|--|
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status - patented, pending, abandoned) |
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status - patented, pending, abandoned) |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

| NAMES               | REGISTRATION NUMBERS | NAMES             | REGISTRATION NUMBERS |
|---------------------|----------------------|-------------------|----------------------|
| Leandro Arechederra | 52,457               | Kelly A. Nowak    | 35,620               |
| Catherine L. Bell   | 35,444               | Tom F. Pruitt     | 30,317               |
| Keith A. Bell       | 30,023               | Frank E. Reid     | 37,918               |
| C. Milton Fick      | 33,983               | Dennis P. Santini | 26,029               |
| Andrew B. Griffin   | 36,336               | C. Paige Schmidt  | 38,556               |
| Rick F. James       | 48,772               | James Sher        | 24,726               |
| Linda A. Kubens     | 42,772               | Edward F. Shorer  | 20,588               |
| Bradley A. Keller   | 37,654               | Darryl M. Tyns    | 40,853               |
| Mandi B. Milbank    | 50,853               | Maria C. Walsh    | 37,958               |
| Lucinda Lomas       | 51,964               | Philip G. Woo     | 45,234               |
| Lotis N. Moreno     | 44,953               |                   |                      |

Case Docket No. 2004B023

## SEND CORRESPONDENCE TO:

ExxonMobil Chemical Company  
Law Technology  
P.O. Box 2149  
Baytown, Texas 77522-2149

## DIRECT TELEPHONE CALLS TO:

James Sher  
Direct Dial: (281) 834-1298  
Facsimile (281) 834-2499

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

|                         |  |                                   |   |
|-------------------------|--|-----------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>van Egmond                    | FIRST NAME<br>Cor                 | MIDDLE NAME<br>F.                       |
| RESIDENCE & CITIZENSHIP | CITY<br>Pasadena                           | STATE OR FOREIGN COUNTRY<br>Texas | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>6407 Cog Hill Drive | CITY<br>Pasadena                  | STATE OR COUNTRY<br>Texas               |
|                         |  | ZIP CODE<br>77508                 |   |

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

|                         |   |                                   |   |
|-------------------------|---|-----------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>Boech, Jr.                       | FIRST NAME<br>James               | MIDDLE NAME<br>H.                       |
| RESIDENCE & CITIZENSHIP | CITY<br>Kingwood                              | STATE OR FOREIGN COUNTRY<br>Texas | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>3103 Willow Wood Trail | CITY<br>Kingwood                  | STATE OR COUNTRY<br>Texas               |
|                         |   | ZIP CODE<br>77345                 |   |

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

|                         |   |                                |   |
|-------------------------|---|--------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>Klema                        | FIRST NAME<br>Hans             | MIDDLE NAME<br>A.                       |
| RESIDENCE & CITIZENSHIP | CITY<br>Melrose                           | STATE OR FOREIGN COUNTRY<br>MA | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>64 Boardman Avenue | CITY<br>Melrose                | STATE OR COUNTRY<br>MA                  |
|                         |   | ZIP CODE<br>02176              |   |

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

|                         |  |                                |   |
|-------------------------|--|--------------------------------|---|
| FULL NAME OF INVENTOR   | LAST NAME<br>Castaldi                    | FIRST NAME<br>Kyle             | MIDDLE NAME                             |
| RESIDENCE & CITIZENSHIP | CITY<br>Marlboro                         | STATE OR FOREIGN COUNTRY<br>MA | COUNTRY OF CITIZENSHIP<br>United States |
| POST OFFICE ADDRESS     | POST OFFICE ADDRESS<br>21 Woodridge Road | CITY<br>Marlboro               | STATE OR COUNTRY<br>MA                  |
|                         |  | ZIP CODE<br>01752              |   |

Inventor's signature Date 7/7/04

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ BLACK BORDERS

☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

☐ FADED TEXT OR DRAWING

☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING

☐ SKEWED/SLANTED IMAGES

☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS

☐ GRAY SCALE DOCUMENTS

☒ LINES OR MARKS ON ORIGINAL DOCUMENT

☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**